PATENT

NITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Wellington, et al.

Serial No.: 09/841,240

Filed: April 24, 2001

For:

IN SITU THERMAL PROCESSING

OF A HYDROCARBON CONTAINING

FORMATION TO PRODUCE A

SELECTED MIXTURE

Examiner: Unknown

Group Art Unit: 1764

Atty. Dkt: 5659-03500

Certificate of Mailing 37 C.F.R. § 1.8(a)

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail, postage prepaid, in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231, on the

date below:

INFORMATION DISCLOSURE STATEMENT

§

Commissioner for Patents Washington, D.C. 20231

Sir:

TO A ROOF ED It is respectfully requested that this Information Disclosure Statement be entered and documents listed on attached Form PTO-1449 (references A1-A256 and B1) be considered by the Examiner and made of record. Copies of the listed documents are enclosed for the convenience of the Examiner.

Should any fees be required, the Commissioner is authorized to charge said fees to Conley, Rose & Tayon, P.C. Deposit Account No. 50-1505/5659-03500/PBM.

Respectfully submitted,

Eric B. Meyertons Reg. No. 34,876

Attorney for Applicant(s)

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GROUP 3600

CONLEY, ROSE & TAYON, P.C. P.O. BOX 398 **AUSTIN, TEXAS 78767-0398** (512) 476-1400 (voice) (512) 703-1250 (facsimile) Date:

Form PTO-1449 (modified) List of Patents and Publications For Applicant's Information Disclosure Statement

(Use several sheets if necessary

ATTY. DKT. NO. 5659-03500/TH1960

APPLICANT: Wellington, et al.

SERIAL NO. 09/841,240

GROUP: 1764

FILING DATE: April 24, 2001

U.S. PATENT DOCUMENTS

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| | A2 | 1,342,741 | 06/1920 | Day | | | 2 |
| | A3 | 1,510,655 | 10/1924 | Clark | | | , Ca |
| | A4 | 1,666,488 | 02/1927 | Crawshaw | | > | 1. 1/1 |
| | A5 | 1,913,395 | 11/1929 | Karrick | | , C | - Za S |
| | A6 | 2,423,674 | 07/1947 | Agren | <u> </u> | 0 | |
| | A7 | 2,444,755 | 07/1948 | Steffen | | | % |
| | A8 | 2,466,945 | 02/1946 | Greene | | | |
| | A9 | 2,472,445 | 06/1949 | Sprong | | | <u></u> |
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| | A12 | 2,548,360 | 04/1951 | Germain | | MAY | 0 6 2002 |
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| | A20 | 2,732,195 | 01-24-56 | Ljungstrom | | | |
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ATTY. DKT. NO. 5659-03500/TH1960

APPLICANT: Wellington, et al.

FILING DATE: April 24, 2001

SERIAL NO. 09/841,240

GROUP: 1764

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| | A34 | 2,954,826 | 10/1960 | Sievers | | 4 | 200 |
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| | A52 | 3,182,721 | 05/1965 | Hardy | | | |
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| | A58 | 3,209,825 | 10/1965 | Alexander et al. | | | |
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ATTY. DKT. NO. 5659-03500/T11960

APPLICANT: Wellington, et al.

GROUP: 1764

SERIAL NO. 09/841,240

FILING DATE: April 24, 2001

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| • | A62 | 3,267,680 | 08/1966 | Schlumberger | | C. | 7 000 |
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| • | A64 | 3,338,306 | 08/1967 | Cook | | | |
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ATTY. DKT. NO. 5659-03500/TM-960

APPLICANT: Wellington, et al.

SERIAL NO. 09/841,240

GROUP: 1764

FILING DATE: April 24, 2001 U.S. PATENT DOCUMENTS

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| | A89 | 4,381,641 | 05/1983 | Madgavkar et al. | | | 12 0 |
| | A90 | 4,398,151 | 08/1983 | Vinegar et al. | 14 | 1 | 1 |
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| | A93 | 4,444,258 | 04/1984 | Kalmar | | | O |
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| | A96 | 4,540,882 | 10/1985 | Vinegar et al. | | BEC | EIVED |
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| | A98 | 4,570,715 | 02/1986 | Van Meurs et al. | | MAY | 0 6 2002 |
| | A99 | 4,571,491 | 02/1986 | Vinegar et al. | | GRO | JP 3600 |
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| _ | A106 | 4,613,754 | 09/1986 | Vinegar et al. | | | |
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ATTY. DKT. NO. 5659-03500/T

APPLICANT: Wellington, et al.

GROUP: 1764

SERIAL NO. 09/841,240

FILING DATE: April 24, 2001 U.S. PATENT DOCUMENTS

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| Y = Y | A120 | 4,769,602 | 09/1988 | Vinegar et al. | TÅ. | | AN. |
| | A121 | 4,769,606 | 09/1988 | Vinegar et al. | | 1 | 7 2000 |
| • | A122 | 4,793,656 | 12/1988 | Siddoway et al. | | | 7> "" |
| | A123 | 4,827,761 | 05/1989 | Vinegar et al. | | | 100 |
| • | A124 | 4,848,924 | 07/1989 | Nuspl et al. | | | |
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| | A126 | 4,860,544 | 08/1989 | Krieg et al. | | REG | CEIVED |
| | A127 | 4,866,983 | 09/1989 | Vinegar et al. | | M.A | Y 0 6 2002 |
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| | | THE STATE OF THE S | J.S. PATENT | DOCUMENTS | | | 41 |
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APPLICANT: Wellington, et al.

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SERIAL NO. 09/841,240

FILING DATE: April 24, 2001 U.S. PATENT DOCUMENTS

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| EXAM. INITIALS | REF. DES. | DOCUMENT NUMBER | DATE | NAME | CLASS | | SUB LASS , | APPR | ODATE IF |
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ATTY. DKT. NO. 5659-03500/T

APPLICANT: Wellington, et al.

GROUP: 1764

SERIAL NO. 09/841,240

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FILING DATE: April 24, 2001

| FOREIGN | PATENT | DOCUMENTS |
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Form PTO-1449 (modified) ATTY. DKT. NO. 5659-03500/7 SERIAL NO. 09/841,240 List of Patents and Publications ! For Applicant's Information APPLICANT: Wellington, et al. GROUP: 1764 JAN 0 3 2002 Disclosure Statement (Use several sheets if necessary) FILING DATE: April 24, 2001 OTHER AND (Including Author, Title, Date, Pertinent Pages, Etc.) The Potential For In Situ Retorting of Oil Shale In the Piceance Creek Basin of Northwestern Colorado; Quarterly of the Colorado School of Mines, pp. 57-72. Retoring Oil Shale Underground-Problems & Possibilities; B.F. Grant, Otly of Colorado School of Mines. A234 A235 Molecular Mechanism of Oil Shale Pyrolysis in Nitrogen and Hydrogen Atmospheres, Hershkowitz Geochemistry and Chemistry of Oil Shales, American Chemical Society, 5/1983 pp. 301-316. A236 The Characteristics of a Low Temperature in Situ Shale Oil; George Richard Hill & Paul Dougan, Output Plant of the Colorado School of Mines, 1967; pp. 75-90. Direct Production Of A Low Pour Point High Gravity Shale Oil; Hill et al., I & EC Product Research and Development, 6(1), March 1967; pp. 52-59. A238 Refining Of Swedish Shale Oil, L. Lundquist, pp. 621-627. The Benefits of In Situ Upgrading Reactions to the Integrated Operations of the Orinoco Heavy-Oil Fields and Downstream Facilities, Myron Kuhlman, Society of Petroleum Engineers, June 2000; pp. 1-14. Monitoring Oil Shale Retorts by Off-Gas Alkene/Alkane Ratios, John H. Raley, Fuel, Vol. 59, June 1980, pp. 419-42 A240 A241 The Shale Oil Question, Old and New Viewpoints, A Lecture in the Engineering Science Academy, Dr. Fredrik Ljungstrom, February 23, 1950, published in Teknisk Trdskrift, January 1951 p. 33-40. Underground Shale Oil Pyrolysis According to the Ljungstroem Method; Svenska Skifferolie Aktiebolaget (Swedish Shale Oil Corp.), IVA, Vol. 24, 1953, No. 3, pp. 118-123. Kinetics of Low-Temperature Pyrolysis of Oil Shale by the IITRI RF Process, Sresty et al.; 15th Oil Shale Symposium Colorado School of Mines, April 1982 pp. 1-13. Bureau of Mines Oil-Shale Research, H.M. Thorne, Quarterly of the Colorado School of Mines, pp. 77-90. A244 Application of a Microretort to Problems in Shale Pyrolysis, A. W. Weitkamp & L.C. Gutberlet, Ind. Eng. Chem. Process Des. Develop. Vol. 9, No. 3, 1970, pp. 386-395. Oil Shale, Yen et al., Developments in Petroleum Science 5, 1976, pp. 187-189, 197-198. A246 The Composition of Green River Shale Oils, Glenn L. Cook, et al., United Nations Symposium on the Development and Utilization of Oil Shale Resources, 1968, pp. 1-23. High-Pressure Pyrolysis of Green River Oil Shale, Burnham et al., Geochemistry and Chemistry of Oil Shales, A248 American Chemical Society, 1983, pp. 335-351. A249 Geochemistry and Pyrolysis of Oil Shales, Tissot et al., Geochemistry and Chemistry of Oil Shales, American Chemic Society, 1983, pp. 1-11. A250 A Possible Mechanism of Alkene/Alkane Production, Burnham et al., Oil Shale, Tar Sands, and Related Materials, American Chemical Society, 1981, pp. 79-92. The Ljungstroem In-Situ Method of Shale Oil Recovery, G. Salomonsson, Oil Shale and Cannel Coal, Vol. 2, Proceedings of the Second Oil Shale and Cannel Coal Conference, Institute of Petroleum, 1951, London, pp. 260-280 Developments in Technology for Green River Oil Shale, G.U. Dinneen, United Nations Symposium on the Development and Utilization of Oil Shale Resources, Laramie Petroleum Research Center, Bureau of Mines, 1968, A253 The Thermal and Structural Properties of a Hanna Basin Coal, R.E. Glass, Transactions of the ASME, Vol. 106, June

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